

# Updates for Bo Meeting

Aug5, 2014

# Continuing Attenuation Measurements

- Continuing our efforts to measure attenuation lengths of TPB dip coated acrylic in Lar
- Working with second TPB coated bar still
- Mostly spent this week troubleshooting and trying to retake several bad data runs

# Troubleshooting

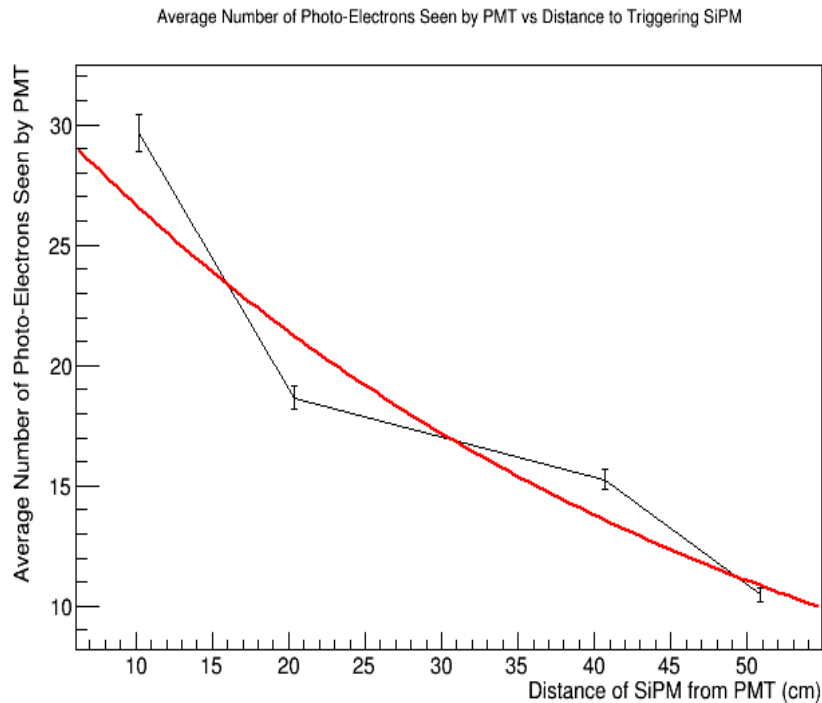
- We have tuned the setup to reduce an unidentified source of background noise
  - We added grounding ties to our splitters
  - We shortened the cable lengths between the splitters and pre-amps to reduce pickup
- Taritree has updated the data acquisition to remove a couple bugs found

# New Data

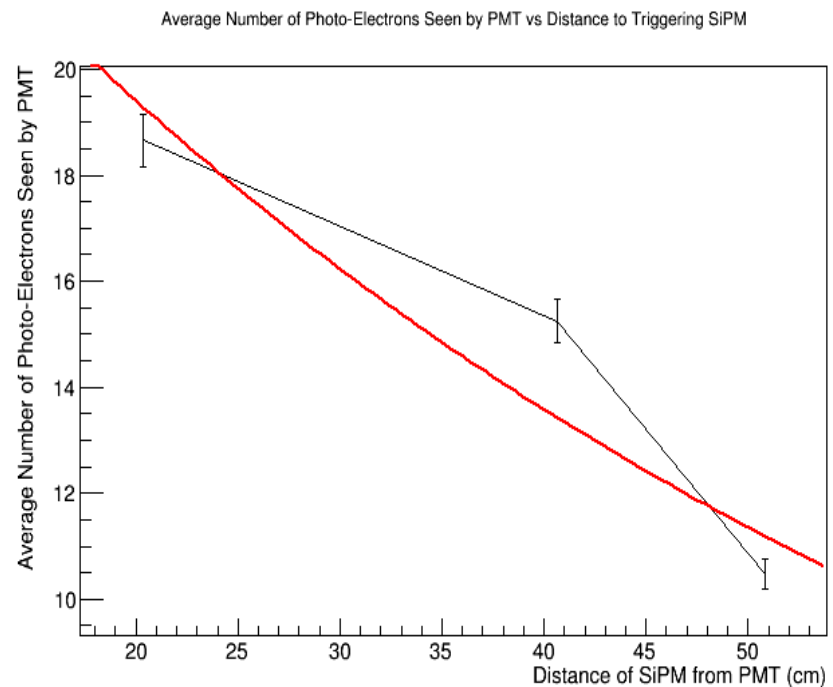
- We have been trying to redo three bad data runs
- We now have good data from runs triggering on all but 1 SiPM

# Super Preliminary Data

- Here is the data from the 4 good runs we have thus far:
  - We have not redone the LED calibrations for any of these data points yet
  - We need to redo the final SiPM still



Attenuation Length: 45.3 cm



Attenuation Length: 55.8 cm